

DRILLERS LOG

Pfeifer "A" #1

Loc: NW SE SE
 Sec: 4-10S-25W
 Graham County, Kansas
 Operator: Cooperative Refinery Ass'n.
 Contractor: Shields Drilling Company

Elevation: 2550' R.B.
 Casing: 8 5/8" @ 225' w/ 130 sx.

Comm: 11-6-57 Comp: 11-19-57

Total Depth: 4080'

| From | To | Formation |
|------|------|------------------|
| 0 | 250 | Surface hole |
| 250 | 575 | Shale and shells |
| 575 | 670 | Sand and shale |
| 670 | 1215 | Shale and shells |
| 1215 | 3830 | Shale and lime |
| 3830 | 4003 | Lime |
| 4003 | 4035 | Lime and shale |
| 4035 | 4080 | Lime |
| 4080 | | R.T.D. |

RECEIVED
 STATE OF KANSAS COMMISSIONER
 11-22-1957
 NOV 22 1957

CONSERVATION DIVISION
 Wichita, Kansas

(STATE OF KANSAS)

(COUNTY OF BARTON)

I hereby certify that the above is a true and correct copy of the log on the
 Pfeifer "A" #1 well, located NW SE SE of Section 4-10S-25W, Graham County, Kansas.

Subscribed and sworn to before me this 20 day of November 1957.

My commission expires: September 24, 1960.

PLUGGING

FILE SEC. 4 T. 10 R. 25W
 BOOK PAGE 63 LINE 3